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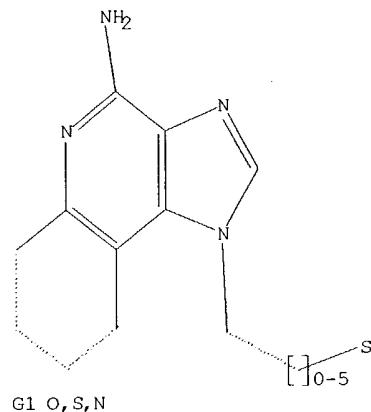
L1 STRUCTURE UPLOADED
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L1 HAS NO ANSWERS
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Structure attributes must be viewed using STN Express query preparation.

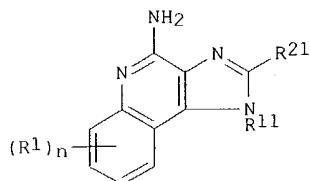
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L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:434369 CAPLUS
DN 139:26620
TI Topical pharmaceuticals comprising an immune response modifier
IN Skwierczynski, Raymond D.; Busch, Terri F.; Gust-Heiting, Amy L.;
Fretland, Mary T.; Scholz, Matthew T.
PA 3M Innovative Properties Company, USA
SO PCT Int. Appl., 123 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2003045391	A1	20030605	WO 2002-US38190	20021127	
	W:	AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DE, DK, DM, DZ, EC, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY				
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003199538	A1	20031023	US 2002-306019	20021127	
PRAI	US 2001-340605P	P	20011129			
	US 2002-378452P	P	20020506			
OS	MARPAT	139:26620				
GI						



I

AB Pharmaceutical formulations comprise an immune response modifier (IRM) chosen from imidazoquinoline amines, imidazotetrahydroquinoline amines, imidazopyridine amines, and other heterocyclic fused ring derivs.; a fatty acid; and a hydrophobic, aprotic component miscible with the fatty acid are useful for the treatment of dermal associated conditions. Topical formulations containing, e.g., I are provided. In one embodiment, the topical formulations are advantageous for treatment of actinic keratosis, postsurgical scars, basal cell carcinoma, atopic dermatitis, and warts.

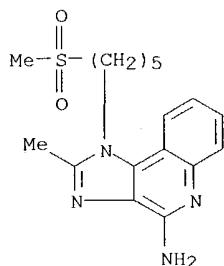
IT 434285-66-2 534568-82-6 534568-85-9

534568-87-1 534568-88-2

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(topical pharmaceuticals comprising an immune response modifier)

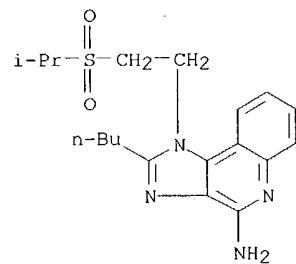
RN 434285-66-2 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[5-(methylsulfonyl)pentyl]-
(9CI) (CA INDEX NAME)



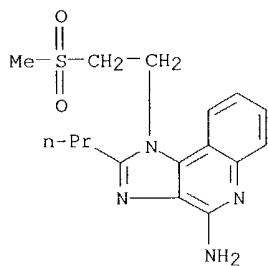
RN 534568-82-6 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(1-methylethyl)sulfonyl]ethyl]- (9CI) (CA INDEX NAME)

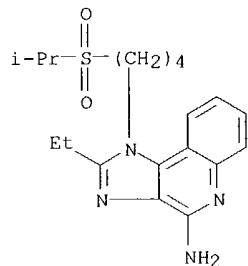


RN 534568-85-9 CAPLUS

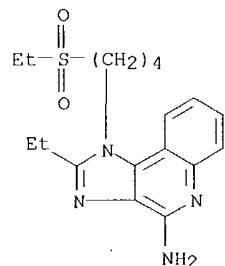
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-{2-(methylsulfonyl)ethyl}-2-propyl-
(9CI) (CA INDEX NAME)



RN 534568-87-1 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-[(1-methylethyl)sulfonyl]butyl]- (9CI) (CA INDEX NAME)



RN 534568-88-2 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-(ethylsulfonyl)butyl]- (9CI) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:417574 CAPLUS
 DN 139:929
 TI Toll-like receptor (TLR) pathway-based methods for identification of immune response modifier (IRM) compounds, and methods of use of such compounds
 IN Gorden, Keith B.; Qiu, Xiaohong; Tomai, Mark A.; Vasilakos, John P.
 PA 3M Innovative Properties Company, USA
 SO PCT Int. Appl., 66 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI WO 2003043572 A2 20030530 WO 2002-US36758 20021114
 WO 2003043572 A3 20030724
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2004014779 A1 20040122 US 2002-294935 20021114

PRAI US 2001-332412P P 20011116

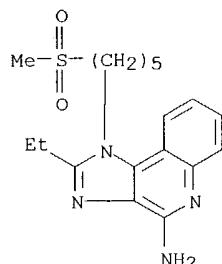
AB Methods for identifying a compound that activates a TLR-mediated cellular signaling pathway is disclosed. The method includes (a) exposing a TLR-pos. cell culture to a test compound and measuring a TLR-mediated cellular response; (b) exposing a TLR-neg. cell culture to a test compound and measuring a TLR-mediated cellular response; and (c) identifying the test compound as an IRM if the cellular response in the TLR-pos. cell culture is greater than the cellular response of the TLR-neg. cell culture. Methods of eliciting a TLR-mediated cellular response are also disclosed. Such methods include administration of an IRM compound to an IRM-responsive cell so that the IRM compds. affects at least one TLR-mediated cellular signaling pathway.

IT 434285-67-3

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(toll-like receptor pathway-based methods for identification of immune response modifier compds., and methods of use of such compds.)

RN 434285-67-3 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[5-(methylsulfonyl)pentyl]-(9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:414123 CAPLUS
DN 139:6869

TI Preparation of thioether substituted imidazoquinolinamines as cytokine biosynthesis inducers for treatment of viral and neoplastic disease.
IN Bonk, Jason D.; Dellaria, Joseph F.; Merrill, Bryon A.; Radmer, Matthew R.
PA 3M Innovative Properties Co., USA
SO U.S. Pat. Appl. Publ., 57 pp., Cont.-in-part of U.S. Ser. No. 13,059.
CODEN: USXXCO

DT Patent

LA English

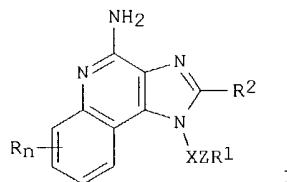
FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003100764	A1	20030529	US 2002-165222	20020607
	US 6667312	B2	20031223		
	US 2002173655	A1	20021121	US 2001-13059	20011206
	US 6664264	B2	20031216		
	WO 2003050121	A1	20030619	WO 2002-US18290	20020607

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,

CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 US 2004072858 A1 20040415 US 2003-675833 20030930
 PRAI US 2000-254218P P 20001208
 US 2001-13059 A2 20011206
 US 2001-11921 A1 20011206
 OS MARPAT 139:6869
 GI



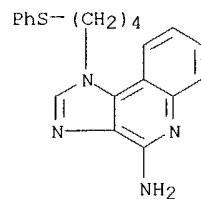
AB Title compds. [I; X = CHR3, CHR3A; A = alkyl, alkenyl; Z = S, SO, SO2; R = alkyl, alkoxy, OH, halo, CF3; R1 = alkyl, aryl, heteroaryl, heterocyclyl, alkenyl, R4Ar; Ar = aryl, heteroaryl, heterocyclyl; R2 = H, (substituted) alkyl, alkenyl, Ar, etc.; R3 = H, alkyl; R4 = alkylene, alkenylene; n = 0-4], were prepared. Thus, 2-butyl-1-[4-(methylthio)butyl]-1H-imidazo[4,5-c]quinolin-4-amine in CHCl3 was treated with 3-chloroperbenzoic acid over 15 min. followed by stirring at ambient temperature for 5 min. to give 2-butyl-1-[4-(methylsulfonyl)butyl]-1H-imidazo[4,5-c]quinolin-4-amine. The latter showed interferon and tumor necrosis factor induction in human blood cells with lowest effective concns. of 0.01 and 0.04 μ M, resp. I pharmaceutical compns. are claimed.

IT 434285-63-9P 434285-66-2P 534582-84-8P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of thioether substituted imidazoquinolinamines as cytokine biosynthesis inducers for treatment of viral and neoplastic disease)

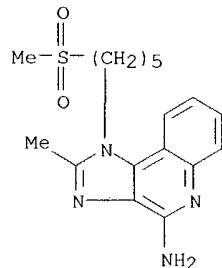
RN 434285-63-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(phenylthio)butyl]- (9CI) (CA INDEX NAME)

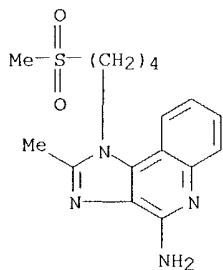


RN 434285-66-2 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[5-(methylsulfonyl)pentyl]-(9CI) (CA INDEX NAME)



RN 534582-84-8 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[4-(methylsulfonyl)butyl]-(9CI) (CA INDEX NAME)

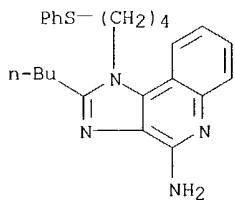


IT **434285-55-9P**, 2-Butyl-1-[4-(phenylthio)butyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-56-0P**, 2-Butyl-1-[2-(phenylthio)ethyl]-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-4-amine dihydrochloride
434285-57-1P, 2-Butyl-1-[4-(phenylsulfonyl)butyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-58-2P**, 2-Butyl-1-[4-(methylthio)butyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-59-3P**, 2-Butyl-1-[4-(methylsulfonyl)butyl]-1H-imidazo[4,5-c]quinolin-4-amine
434285-60-6P, 1-[2-(Phenylthio)ethyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-61-7P**, 1-[4-(Phenylsulfonyl)butyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-62-8P**, 1-[4-(Methylsulfonyl)butyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-64-0P**, 1-[4-(Methylthio)butyl]-1H-imidazo[4,5-c]quinolin-4-amine
434285-65-1P, 2-Butyl-1-[5-(methylsulfonyl)pentyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-67-3P**, 2-Ethyl-1-[5-(methylsulfonyl)pentyl]-1H-imidazo[4,5-c]quinolin-4-amine
434285-68-4P, 1-[5-(Methylsulfonyl)pentyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-69-5P**, 2-Hexyl-1-[5-(methylsulfonyl)pentyl]-1H-imidazo[4,5-c]quinolin-4-amine
434285-70-8P, 2-(2-Methoxyethyl)-1-[5-(methylsulfonyl)pentyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-71-9P**, 2-Butyl-1-[5-(methylthio)pentyl]-1H-imidazo[4,5-c]quinolin-4-amine
434285-72-0P, 2-Butyl-1-[5-(methylsulfinyl)pentyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-73-1P**, 2-Butyl-1-[3-(methylsulfonyl)propyl]-1H-imidazo[4,5-c]quinolin-4-amine
434285-74-2P, 2-Butyl-1-[3-(phenylsulfonyl)propyl]-1H-imidazo[4,5-c]quinolin-4-amine **434285-75-3P**, 2-Butyl-1-[2-(phenylthio)ethyl]-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-4-amine **534568-82-6P**, 2-Butyl-1-[2-[(1-methylethyl)sulfonyl]ethyl]-1H-imidazo[4,5-c]quinoline-4-amine **534568-85-9P**, 1-[2-(Methylsulfonyl)ethyl]-2-propyl-1H-imidazo[4,5-c]quinolin-4-amine **534568-87-1P**, 2-Ethyl-1-[4-[(1-methylethyl)sulfonyl]butyl]-1H-imidazo[4,5-c]quinoline-4-amine **534568-88-2P**, 2-Ethyl-1-[4-(ethylsulfonyl)butyl]-1H-imidazo[4,5-c]quinoline-4-amine **534582-66-6P**, 1-[5-(Methylsulfonyl)pentyl]-2-propyl-1H-imidazo[4,5-c]quinolin-4-amine
534582-67-7P, 2-Methyl-1-[3-(methylthio)propyl]-1H-imidazo[4,5-c]quinolin-4-amine **534582-68-8P**, 2-Methyl-1-[3-(methylsulfonyl)propyl]-1H-imidazo[4,5-c]quinolin-4-amine
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534582-71-3P, 2-Methyl-1-[4-(methylthio)butyl]-1H-imidazo[4,5-c]quinolin-4-amine **534582-72-4P**, 2-Methyl-1-[4-(methylsulfinyl)butyl]-1H-imidazo[4,5-c]quinolin-4-amine
534582-73-5P, 2-Ethyl-1-[4-(methylthio)butyl]-1H-imidazo[4,5-c]quinolin-4-amine **534582-75-7P**, 2-Ethyl-1-[4-(methylsulfonyl)butyl]-1H-imidazo[4,5-c]quinolin-4-amine
534582-77-9P, 1-[4-(Methylsulfonyl)butyl]-2-propyl-1H-imidazo[4,5-c]quinolin-4-amine **534582-79-1P**, 2-Butyl-1-[4-(methylsulfinyl)butyl]-1H-imidazo[4,5-c]quinolin-4-amine
534582-81-5P, 2-Methyl-1-[2-(methylthio)ethyl]-1H-imidazo[4,5-c]quinolin-4-amine **534582-82-6P**, 2-Methyl-1-[2-(methylsulfonyl)ethyl]-1H-imidazo[4,5-c]quinolin-4-amine
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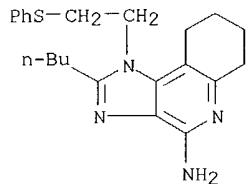
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534582-93-9P, 2-Butyl-1-[4-[(1,1-dimethylethyl)thio]butyl]-1H-imidazo[4,5-c]quinoline-4-amine **534582-94-0P**,
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534582-96-2P, 2-Ethyl-1-[4-[(1-methylethyl)thio]butyl]-1H-imidazo[4,5-c]quinoline-4-amine **534582-97-3P**,
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 2-Butyl-1-[2-(phenylsulfonyl)ethyl]-1H-imidazo[4,5-c]quinoline-4-amine **534583-08-9P**, 2-Butyl-1-[2-[(4-fluorophenyl)sulfonyl]ethyl]-1H-imidazo[4,5-c]quinolin-4-amine **534583-09-0P**,
 2-Butyl-1-[2-[(1,1-dimethylethyl)sulfonyl]ethyl]-1H-imidazo[4,5-c]quinolin-4-amine **534583-10-3P**, 2-Butyl-1-[2-[(1,1-dimethylethyl)thio]ethyl]-1H-imidazo[4,5-c]quinolin-4-amine
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534585-85-8P, 2-Ethyl-1-[4-(pyrimidin-2-ylthio)butyl]-1H-imidazo[4,5-c]quinolin-4-amine **534585-88-1P**,
 2-Ethyl-1-[4-(pyrimidin-2-ylsulfonyl)butyl]-1H-imidazo[4,5-c]quinolin-4-amine **534585-90-5P**, 2-Methyl-1-[4-(methylsulfonyl)butyl]-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-4-amine **534585-92-7P**,
 2-Methyl-1-[5-(methylsulfonyl)pentyl]-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-4-amine **534585-94-9P**, 2-Methyl-1-[4-[(1-methylethyl)sulfonyl]butyl]-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-4-amine **534585-96-1P**, 2-Methyl-1-[4-[(4-fluorophenyl)sulfonyl]butyl]-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-4-amine **534585-98-3P**, 2-Methyl-1-[4-[(1,1-dimethylethyl)sulfonyl]butyl]-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-4-amine **534588-03-9P**, 2-Ethoxymethyl-1-(4-methanesulfonylbutyl)-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-4-amine
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of thioether substituted imidazoquinolinamines as cytokine biosynthesis inducers for treatment of viral and neoplastic disease)

RN 434285-55-9 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-(phenylthio)butyl]- (9CI)
 (CA INDEX NAME)

10696477

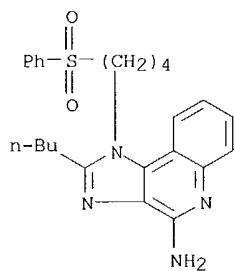


RN 434285-56-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-(phenylthio)ethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

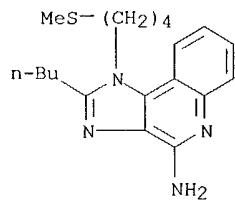


●2 HCl

RN 434285-57-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-(phenylsulfonyl)butyl]- (9CI) (CA INDEX NAME)

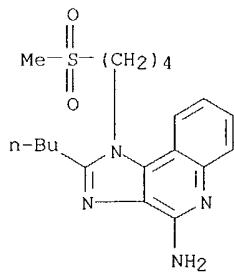


RN 434285-58-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-(methylsulfonyl)butyl]- (9CI) (CA INDEX NAME)

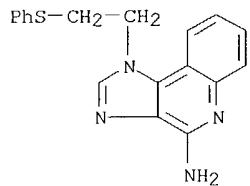


RN 434285-59-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-(methylsulfonyl)butyl]- (9CI) (CA INDEX NAME)

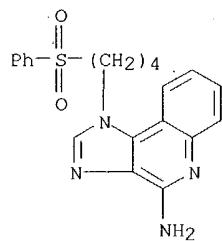
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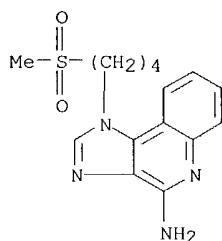
RN 434285-60-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(phenylthio)ethyl]- (9CI) (CA INDEX NAME)



RN 434285-61-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(phenylsulfonyl)butyl]- (9CI) (CA INDEX NAME)

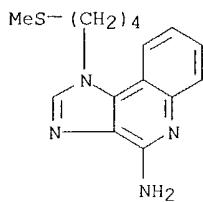


RN 434285-62-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(methylsulfonyl)butyl]- (9CI) (CA INDEX NAME)

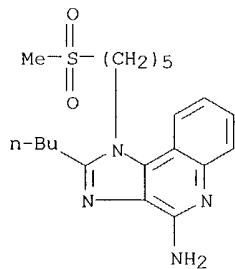


RN 434285-64-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(methylthio)butyl]- (9CI) (CA INDEX NAME)

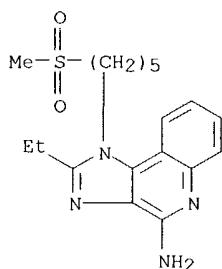
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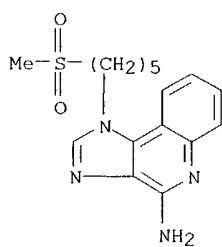
RN 434285-65-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



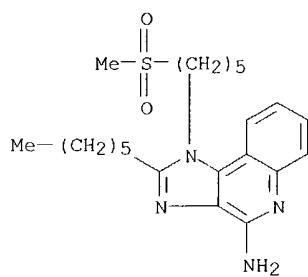
RN 434285-67-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



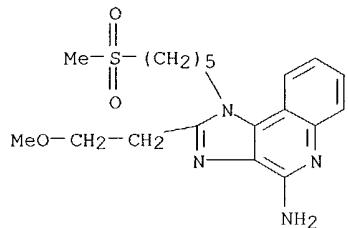
RN 434285-68-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



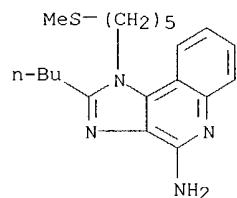
RN 434285-69-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-hexyl-1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



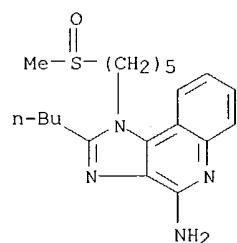
RN 434285-70-8 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(2-methoxyethyl)-1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



RN 434285-71-9 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[5-(methylthio)pentyl]- (9CI) (CA INDEX NAME)

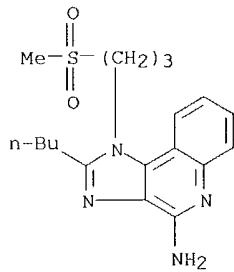


RN 434285-72-0 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[5-(methylsulfinyl)pentyl]- (9CI) (CA INDEX NAME)

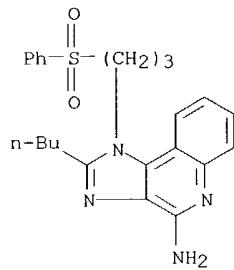


RN 434285-73-1 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[3-(methylsulfonyl)propyl]- (9CI) (CA INDEX NAME)

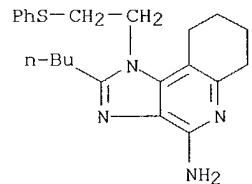
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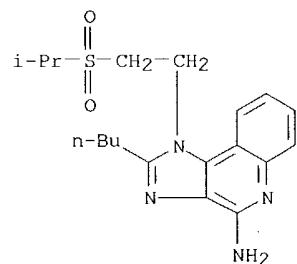
RN 434285-74-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[3-(phenylsulfonyl)propyl]- (9CI) (CA INDEX NAME)



RN 434285-75-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-(phenylthio)ethyl]- (9CI) (CA INDEX NAME)

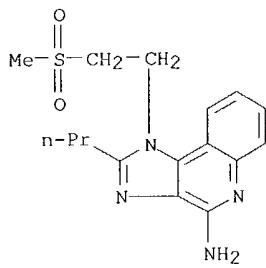


RN 534568-82-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(1-methylethyl)sulfonyl]ethyl]- (9CI) (CA INDEX NAME)

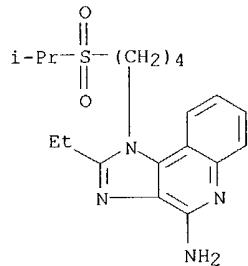


RN 534568-85-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(methylsulfonyl)ethyl]-2-propyl- (9CI) (CA INDEX NAME)

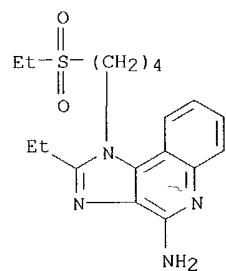
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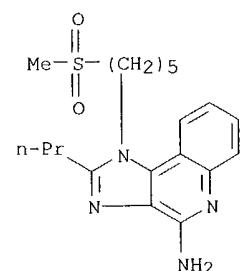
RN 534568-87-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-[(1-methylethyl)sulfonyl]butyl]- (9CI) (CA INDEX NAME)



RN 534568-88-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-(ethylsulfonyl)butyl]- (9CI) (CA INDEX NAME)



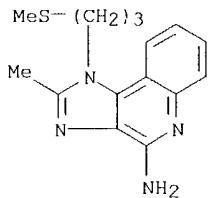
RN 534582-66-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[5-(methylsulfonyl)pentyl]-2-propyl- (9CI) (CA INDEX NAME)



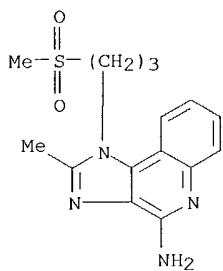
RN 534582-67-7 CAPLUS

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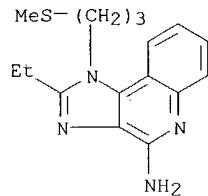
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[3-(methylthio)propyl]-
(9CI) (CA INDEX NAME)



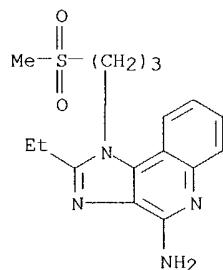
RN 534582-68-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[3-(methylsulfonyl)propyl]-
(9CI) (CA INDEX NAME)



RN 534582-69-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[3-(methylthio)propyl]- (9CI)
(CA INDEX NAME)

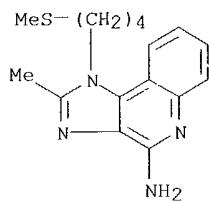


RN 534582-70-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[3-(methylsulfonyl)propyl]-
(9CI) (CA INDEX NAME)

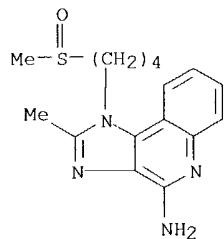


RN 534582-71-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[4-(methylthio)butyl]- (9CI)
(CA INDEX NAME)

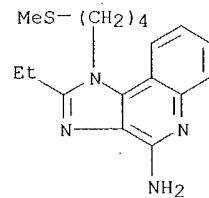
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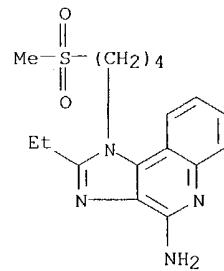
RN 534582-72-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[4-(methylsulfinyl)butyl]- (9CI) (CA INDEX NAME)



RN 534582-73-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-(methylthio)butyl]- (9CI) (CA INDEX NAME)

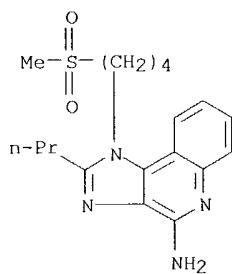


RN 534582-75-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-(methylsulfonyl)butyl]- (9CI) (CA INDEX NAME)

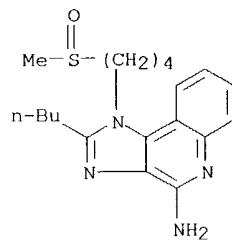


RN 534582-77-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(methylsulfonyl)butyl]-2-propyl- (9CI) (CA INDEX NAME)

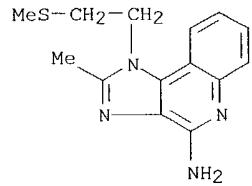
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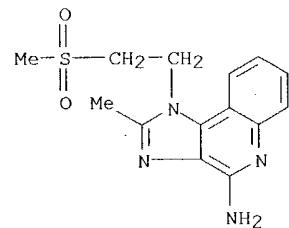
RN 534582-79-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-(methylsulfinyl)butyl]- (9CI) (CA INDEX NAME)



RN 534582-81-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[2-(methylthio)ethyl]- (9CI) (CA INDEX NAME)

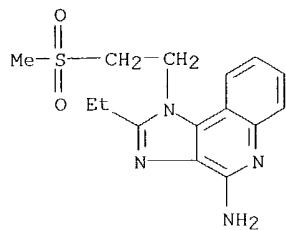


RN 534582-82-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[2-(methylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)

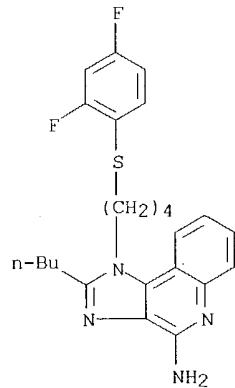


RN 534582-86-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[2-(methylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)

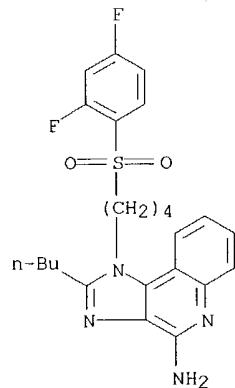
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RN 534582-89-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-[(2,4-difluorophenyl)thio]butyl]- (9CI) (CA INDEX NAME)

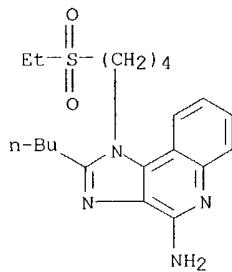


RN 534582-91-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-[(2,4-difluorophenyl)sulfonyl]butyl]- (9CI) (CA INDEX NAME)

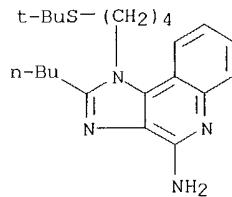


RN 534582-92-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-(ethylsulfonyl)butyl]-(9CI) (CA INDEX NAME)

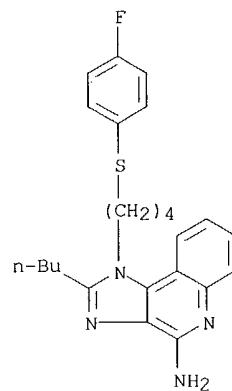
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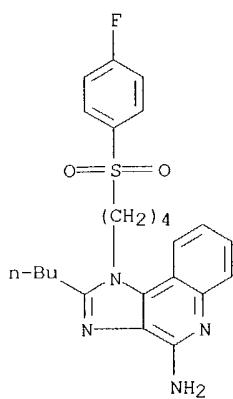
RN 534582-93-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-[(1,1-dimethylethyl)thio]butyl]- (9CI) (CA INDEX NAME)



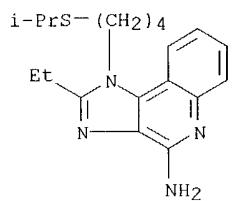
RN 534582-94-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-[(4-fluorophenyl)thio]butyl]- (9CI) (CA INDEX NAME)



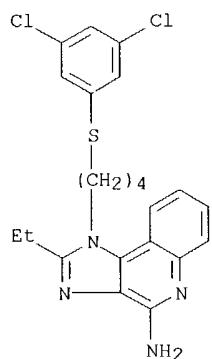
RN 534582-95-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-[(4-fluorophenyl)sulfonyl]butyl]- (9CI) (CA INDEX NAME)



RN 534582-96-2 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-[(1-methylethyl)thio]butyl]- (9CI) (CA INDEX NAME)

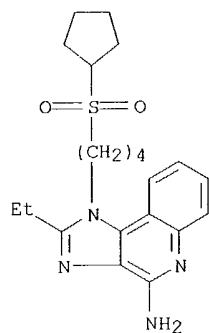


RN 534582-97-3 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[(3,5-dichlorophenyl)thio]butyl]-2-ethyl- (9CI) (CA INDEX NAME)

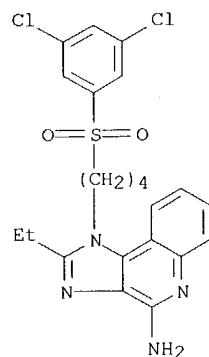


RN 534582-98-4 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(cyclopentylsulfonyl)butyl]-2-ethyl- (9CI) (CA INDEX NAME)

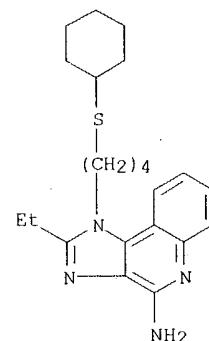
10696477



RN 534582-99-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[(3,5-dichlorophenyl)sulfonyl]butyl]-2-ethyl- (9CI) (CA INDEX NAME)

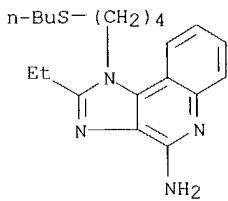


RN 534583-00-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(cyclohexylthio)butyl]-2-ethyl- (9CI) (CA INDEX NAME)

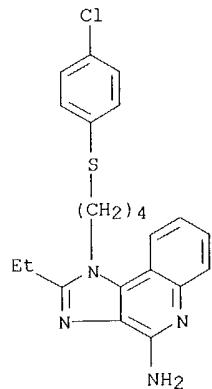


RN 534583-01-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(butylthio)butyl]-2-ethyl- (9CI) (CA INDEX NAME)

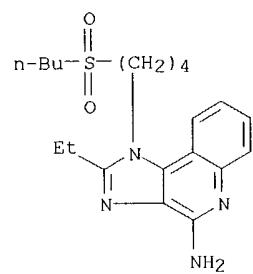
10696477



RN 534583-02-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[(4-chlorophenyl)thio]butyl]-2-ethyl- (9CI) (CA INDEX NAME)

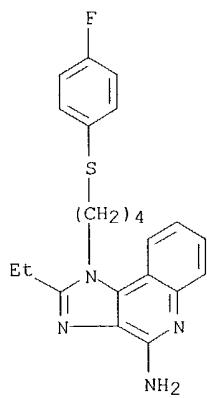


RN 534583-03-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(butylsulfonyl)butyl]-2-ethyl- (9CI) (CA INDEX NAME)

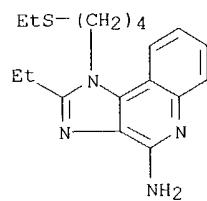


RN 534583-04-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-[(4-fluorophenyl)thio]butyl]- (9CI) (CA INDEX NAME)

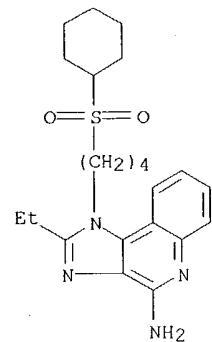
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RN 534583-05-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-(ethylthio)butyl]- (9CI)
(CA INDEX NAME)

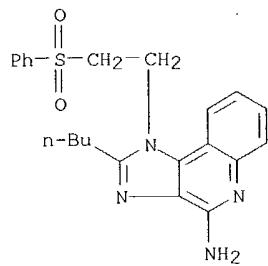


RN 534583-06-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(cyclohexylsulfonyl)butyl]-2-ethyl- (9CI) (CA INDEX NAME)

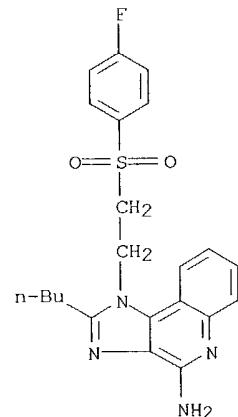


RN 534583-07-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(phenylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)

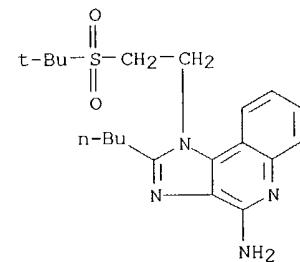
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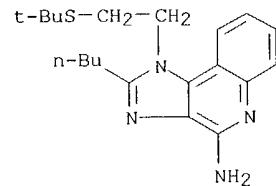
RN 534583-08-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(4-fluorophenyl)sulfonyl]ethyl]- (9CI) (CA INDEX NAME)



RN 534583-09-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(1,1-dimethylethyl)sulfonyl]ethyl]- (9CI) (CA INDEX NAME)

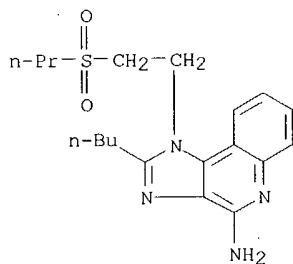


RN 534583-10-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(1,1-dimethylethyl)thio]ethyl]- (9CI) (CA INDEX NAME)

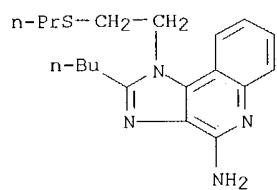


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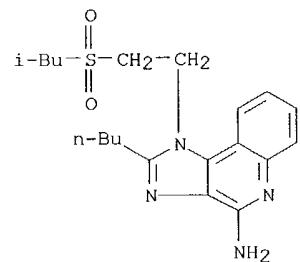
RN 534583-11-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(propylsulfonyl)ethyl]-
(9CI) (CA INDEX NAME)



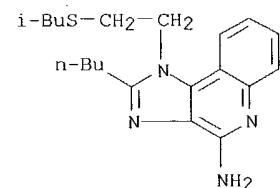
RN 534583-12-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(propylthio)ethyl]- (9CI)
(CA INDEX NAME)



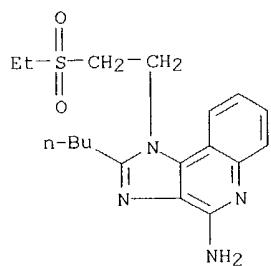
RN 534583-13-6 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(2-methylpropyl)sulfonyl]ethyl]- (9CI) (CA INDEX NAME)



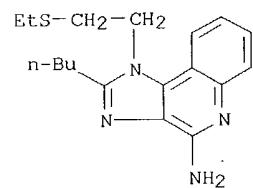
RN 534583-14-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-[(2-methylpropyl)thio]ethyl]- (9CI) (CA INDEX NAME)



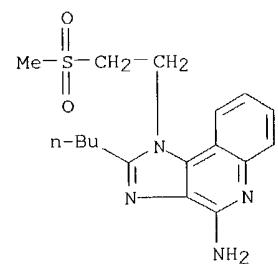
RN 534583-15-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(ethylsulfonyl)ethyl]-
(9CI) (CA INDEX NAME)



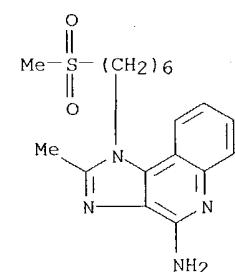
RN 534583-16-9 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(ethylthio)ethyl]- (9CI)
 (CA INDEX NAME)



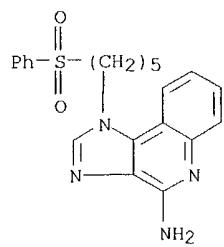
RN 534583-17-0 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(methylsulfonyl)ethyl]-
 (9CI) (CA INDEX NAME)



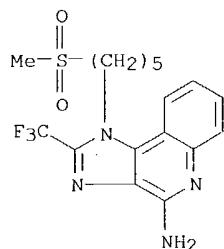
RN 534583-46-5 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[6-(methylsulfonyl)hexyl]-
 (9CI) (CA INDEX NAME)



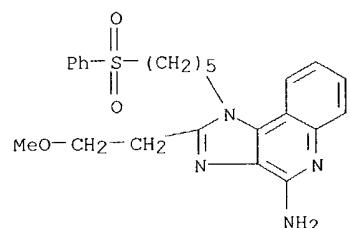
RN 534583-96-5 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[5-(phenylsulfonyl)pentyl]- (9CI)
 (CA INDEX NAME)



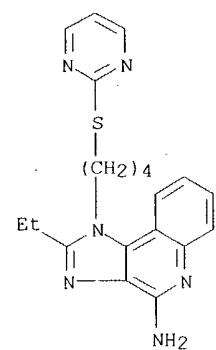
RN 534584-60-6 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[5-(methylsulfonyl)pentyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 534585-79-0 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(2-methoxyethyl)-1-[5-(phenylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)

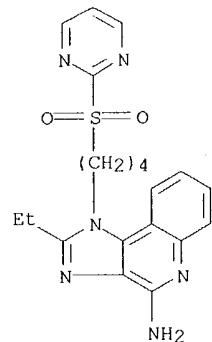


RN 534585-85-8 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-(2-pyrimidinylthio)butyl]- (9CI) (CA INDEX NAME)

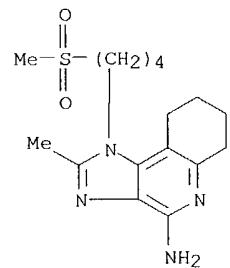


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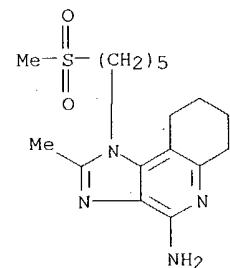
RN 534585-88-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[4-(2-pyrimidinylsulfonyl)butyl]- (9CI) (CA INDEX NAME)



RN 534585-90-5 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 6,7,8,9-tetrahydro-2-methyl-1-[4-(methylsulfonyl)butyl]- (9CI) (CA INDEX NAME)

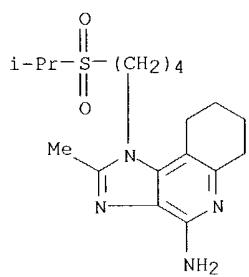


RN 534585-92-7 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 6,7,8,9-tetrahydro-2-methyl-1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



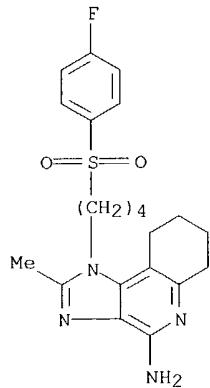
RN 534585-94-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 6,7,8,9-tetrahydro-2-methyl-1-[4-[(1-methylethyl)sulfonyl]butyl]- (9CI) (CA INDEX NAME)

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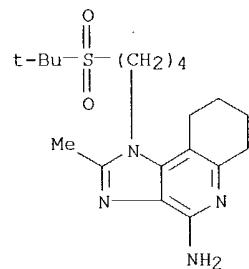
RN 534585-96-1 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[(4-fluorophenyl)sulfonyl]butyl]-6,7,8,9-tetrahydro-2-methyl- (9CI) (CA INDEX NAME)



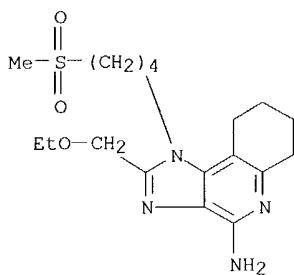
RN 534585-98-3 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-[(1,1-dimethylethyl)sulfonyl]butyl]-6,7,8,9-tetrahydro-2-methyl- (9CI) (CA INDEX NAME)



RN 534588-03-9 CAPLUS

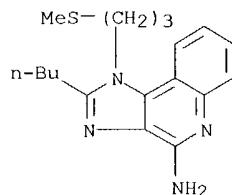
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(ethoxymethyl)-6,7,8,9-tetrahydro-1-[4-(methylsulfonyl)butyl]- (9CI) (CA INDEX NAME)



IT **434286-34-7P**, 2-Butyl-1-[3-(methylthio)propyl]-1H-imidazo[4,5-c]quinolin-4-amine **434286-35-8P**, 2-Butyl-1-[3-(phenylthio)propyl]-1H-imidazo[4,5-c]quinolin-4-amine **534586-60-2P**, 1-[5-(Methylthio)pentyl]-2-propyl-1H-imidazo[4,5-c]quinoline-4-amine **534586-86-2P**, 1-[4-(Methylthio)butyl]-2-propyl-1H-imidazo[4,5-c]quinolin-4-amine **534587-09-2P**, 2-Butyl-1-[2-(methylthio)ethyl]-1H-imidazo[4,5-c]quinolin-4-amine **534587-17-2P**, 2-Methyl-1-[6-(methylthio)hexyl]-1H-imidazo[4,5-c]quinolin-4-amine
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of thioether substituted imidazoquinolinamines as cytokine biosynthesis inducers for treatment of viral and neoplastic disease)

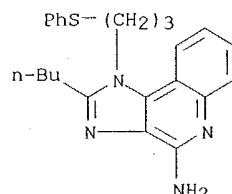
RN 434286-34-7 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[3-(methylthio)propyl]- (9CI)
 (CA INDEX NAME)



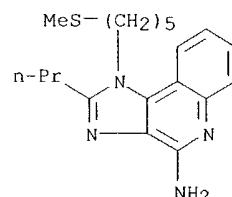
RN 434286-35-8 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[3-(phenylthio)propyl]- (9CI)
 (CA INDEX NAME)



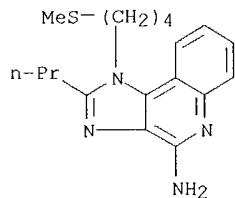
RN 534586-60-2 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[5-(methylthio)pentyl]-2-propyl- (9CI)
 (CA INDEX NAME)

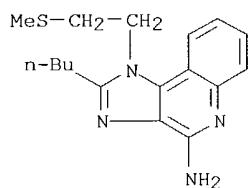


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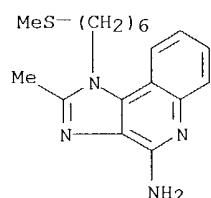
RN 534586-86-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(methylthio)butyl]-2-propyl- (9CI)
(CA INDEX NAME)



RN 534587-09-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[2-(methylthio)ethyl]- (9CI)
(CA INDEX NAME)



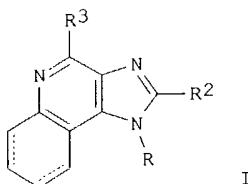
RN 534587-17-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[6-(methylthio)hexyl]- (9CI)
(CA INDEX NAME)



L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:449683 CAPLUS
DN 137:20377
TI Preparation of 1-(alkyl- or arylthioalkyl) imidazo[4,5-c]quinoline-4-
amines and analogs as cytokine biosynthesis inducers
IN Dellarria, Joseph F.; Merrill, Bryon A.; Radmer, Matthew R.
PA 3M Innovative Properties Company, USA
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 11

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046192	A2	20020613	WO 2001-US46697	20011206
	WO 2002046192	A3	20030213		
	W:	AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KE, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU			
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 OS MARPAT 137:20377
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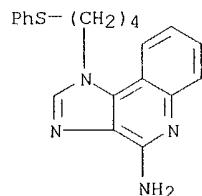
AB Title compds. [(un)substituted I; R = ZZZ1R1; R1 = alk(en)yl, heterocyclyl, (hetero)aryl, etc.; R2 = H, alk(en)yl, heterocyclyl, (hetero)aryl, etc.; R3 = NH2; Z1 = SOO-2; Z2 = alkylene; dashed lines = optional addnl. bonds], useful as immune response modifiers, were prepared Thus, 4-chloro-3-nitroquinoline was aminated by H2N(CH2)4OH and O-protected product reduced to give, after cyclocondensation with BuC(OMe)3, I (R2 = Bu, dashed lines = bonds)[II; R = (CH2)4OSiCMe2CMe3, R3 = H] which was converted in 4 steps to II [R = (CH2)4SPh, R3 = NH2]. Data for biol. activity of I were given.

IT **434285-63-9P**

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of 1-(alkyl- or arylthioalkyl) imidazo[4,5-c]quinoline-4-amines and analogs as cytokine biosynthesis inducers)

RN 434285-63-9 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(phenylthio)butyl]- (9CI) (CA INDEX NAME)

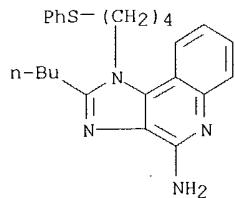


IT **434285-55-9P 434285-56-0P 434285-57-1P**
434285-58-2P 434285-59-3P 434285-60-6P
434285-61-7P 434285-62-8P 434285-64-0P
434285-65-1P 434285-66-2P 434285-67-3P
434285-68-4P 434285-69-5P 434285-70-8P
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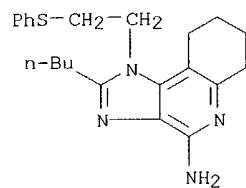
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 1-(alkyl- or arylthioalkyl) imidazo[4,5-c]quinoline-4-amines and analogs as cytokine biosynthesis inducers)

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RN 434285-55-9 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-(phenylthio)butyl]- (9CI)
(CA INDEX NAME)

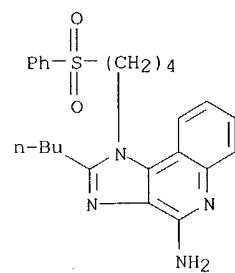


RN 434285-56-0 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-(phenylthio)ethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

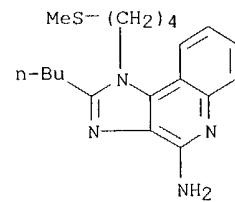


●2 HCl

RN 434285-57-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-(phenylsulfonyl)butyl]- (9CI) (CA INDEX NAME)



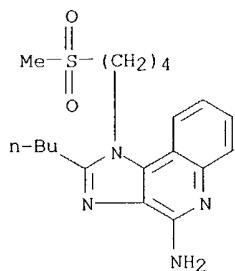
RN 434285-58-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-(methylthio)butyl]- (9CI) (CA INDEX NAME)



RN 434285-59-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[4-(methylsulfonyl)butyl]-

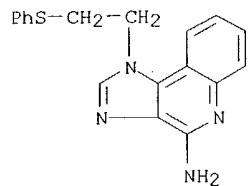
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(9CI) (CA INDEX NAME)



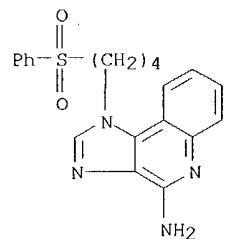
RN 434285-60-6 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[2-(phenylthio)ethyl]- (9CI) (CA INDEX NAME)



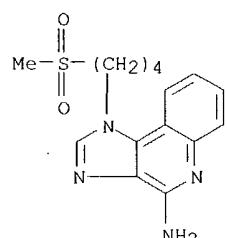
RN 434285-61-7 CAPLUS

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(phenylsulfonyl)butyl]- (9CI) (CA INDEX NAME)



RN 434285-62-8 CAPLUS

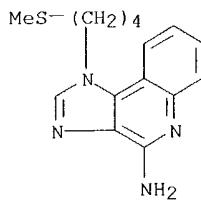
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(methylsulfonyl)butyl]- (9CI) (CA INDEX NAME)



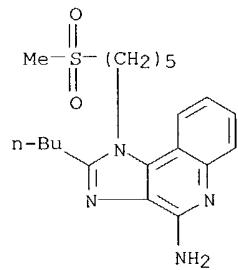
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CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[4-(methylthio)butyl]- (9CI) (CA INDEX NAME)

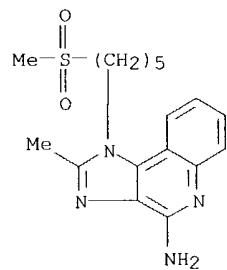
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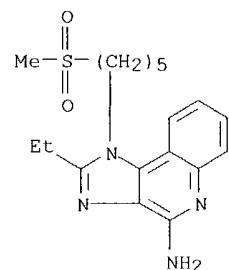
RN 434285-65-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



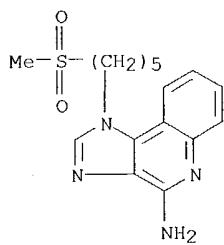
RN 434285-66-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-methyl-1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



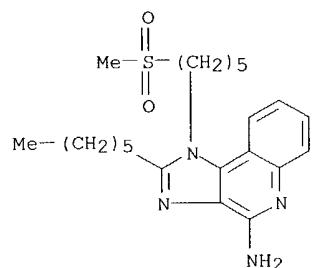
RN 434285-67-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-ethyl-1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



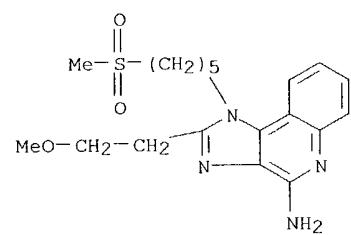
RN 434285-68-4 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



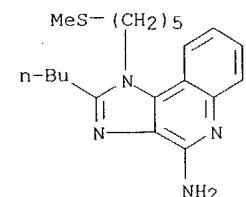
RN 434285-69-5 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-hexyl-1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)



RN 434285-70-8 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-(2-methoxyethyl)-1-[5-(methylsulfonyl)pentyl]- (9CI) (CA INDEX NAME)

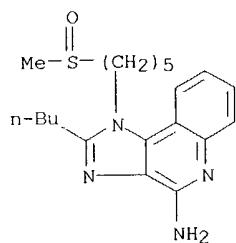


RN 434285-71-9 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[5-(methylthio)pentyl]- (9CI) (CA INDEX NAME)

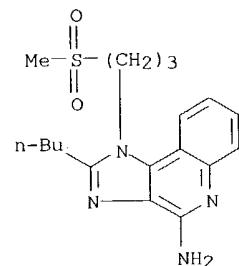


RN 434285-72-0 CAPLUS
 CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[5-(methylsulfinyl)pentyl]- (9CI) (CA INDEX NAME)

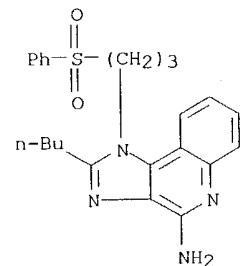
10696477



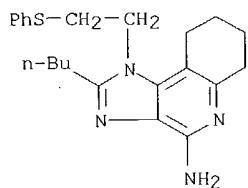
RN 434285-73-1 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[3-(methylsulfonyl)propyl]- (9CI) (CA INDEX NAME)



RN 434285-74-2 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[3-(phenylsulfonyl)propyl]- (9CI) (CA INDEX NAME)



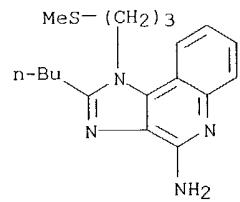
RN 434285-75-3 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-6,7,8,9-tetrahydro-1-[2-(phenylthio)ethyl]- (9CI) (CA INDEX NAME)



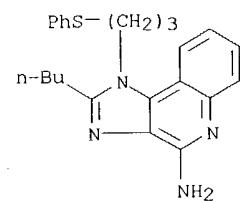
IT 434286-34-7P 434286-35-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of 1-(alkyl- or arylthioalkyl) imidazo[4,5-c]quinoline-4-amines
and analogs as cytokine biosynthesis inducers)
RN 434286-34-7 CAPLUS

10696477

CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[3-(methylthio)propyl]- (9CI)
(CA INDEX NAME)



RN 434286-35-8 CAPLUS
CN 1H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-1-[3-(phenylthio)propyl]- (9CI)
(CA INDEX NAME)



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